

FIGURE 1

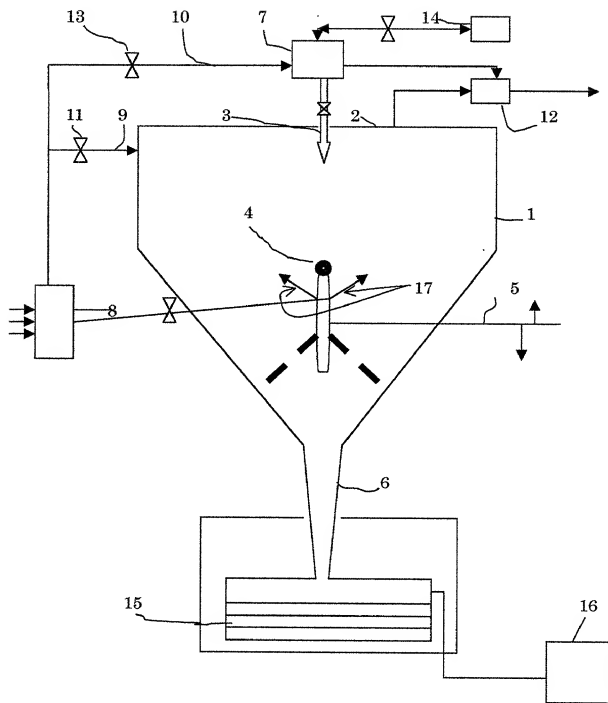
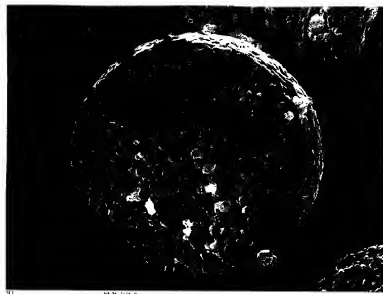


FIGURE 2 A

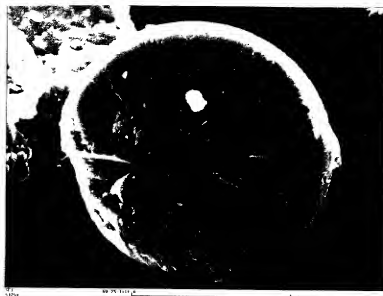
A: crystal(R-Fe-B-ROx)·section



25.0kv X4161 10 μ m

FIGURE 2 B

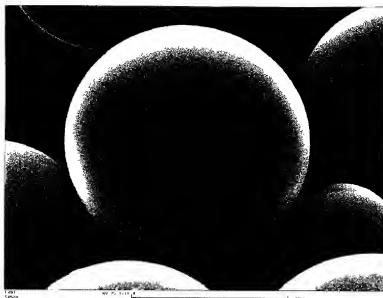
D: nomal(R-Fe-B-ROx)·section



25.0kv X5125 10 μ m

FIGURE 3 A

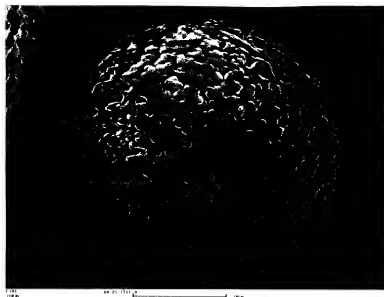
B: Amorphous (Ag)



25.0kv X5054 10 μ m

FIGURE 3 B

C: Porous (NI-Al)



25.0kv X3000 10 μ m

FIGURE 4



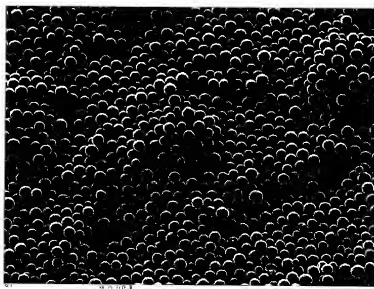
25.0kv X169 200 μ m

FIGURE 5



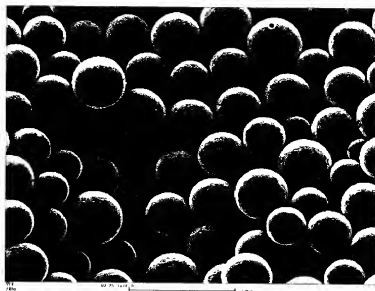
25.0kv X677 50 μ m

FIGURE 6



25.0kv X176 200 μ m

FIGURE 7



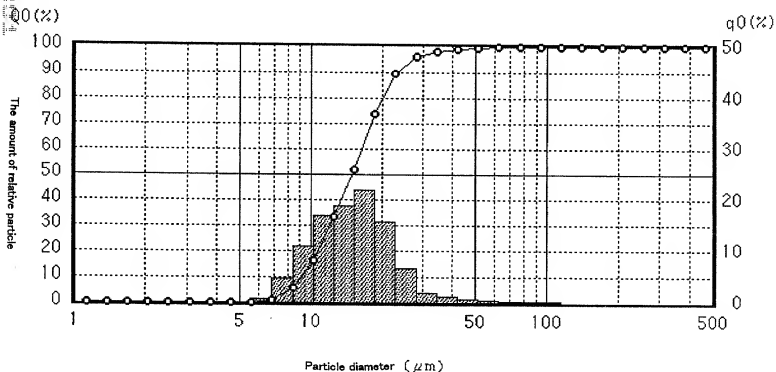
25.0kv X704 50 μ m

FIGURE 8

Shimazu SALD-2000A
 [Grain occasion distribution data]

(SALD-2000A-98A2: V1.01)
 (File name): Nanomizer
 (Measurement date): 01/02/26
 (Measurement time): 15:17:51

Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value
$x (\mu m)$	Q0 (%)	q0 (%)	$x (\mu m)$	Q0 (%)	q0 (%)	$x (\mu m)$	Q0 (%)	q0 (%)
1) 700.00	100.00	0.00 (18)	22.91	89.14	15.71 (35)	0.75	0.00	0.00
2) 572.45	100.00	0.00 (19)	18.73	73.44	21.76 (36)	0.61	0.00	0.00
3) 468.14	100.00	0.00 (20)	15.32	51.67	18.70 (37)	0.50	0.00	0.00
4) 382.84	100.00	0.00 (21)	12.53	32.97	16.88 (38)	0.41	0.00	0.00
5) 313.08	100.00	0.00 (22)	10.25	16.09	10.85 (39)	0.34	0.00	0.00
6) 256.04	100.00	0.00 (23)	8.38	5.24	4.64 (40)	0.27	0.00	0.00
7) 209.38	100.00	0.00 (24)	6.85	0.61	0.61 (41)	0.22	0.00	0.00
8) 171.23	100.00	0.00 (25)	5.60	0.00	0.00 (42)	0.18	0.00	0.00
9) 140.03	100.00	0.00 (26)	4.58	0.00	0.00 (43)	0.15	0.00	0.00
0) 114.51	99.99	0.02 (27)	3.75	0.00	0.00 (44)	0.12	0.00	0.00
1) 93.65	99.97	0.07 (28)	3.06	0.00	0.00 (45)	0.10	0.00	0.00
2) 76.58	99.91	0.16 (29)	2.51	0.00	0.00 (46)	0.082	0.00	0.00
3) 62.63	99.75	0.33 (30)	2.05	0.00	0.00 (47)	0.067	0.00	0.00
4) 51.22	99.42	0.61 (31)	1.68	0.00	0.00 (48)	0.055	0.00	0.00
5) 41.89	98.80	1.17 (32)	1.37	0.00	0.00 (49)	0.045	0.00	0.00
6) 34.25	97.63	1.85 (33)	1.12	0.00	0.00 (50)	0.037	0.00	0.00
7) 28.01	95.78	6.64 (34)	0.92	0.00	0.00 (51)	0.030	0.00	0.00

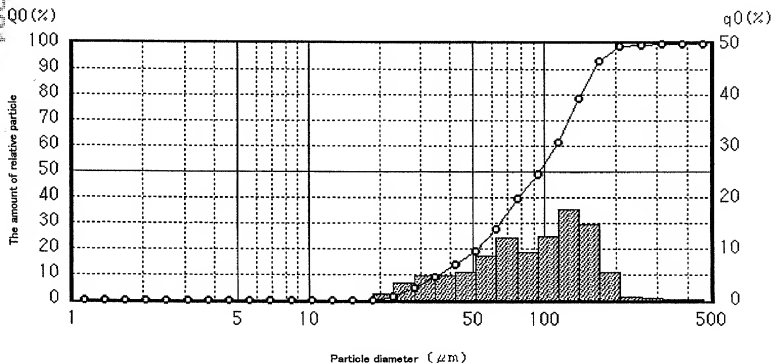


S Level: 0	Distribution function: Nothing D sift: 0	75.0%D: 19.099	50.0%D: 15.021	25.0%D: 11.371
		The mode diameter 17.783		
Refractive index = 170-0.201		Mean: 15.005 Standard deviation: 00.165		

FIGURE 9

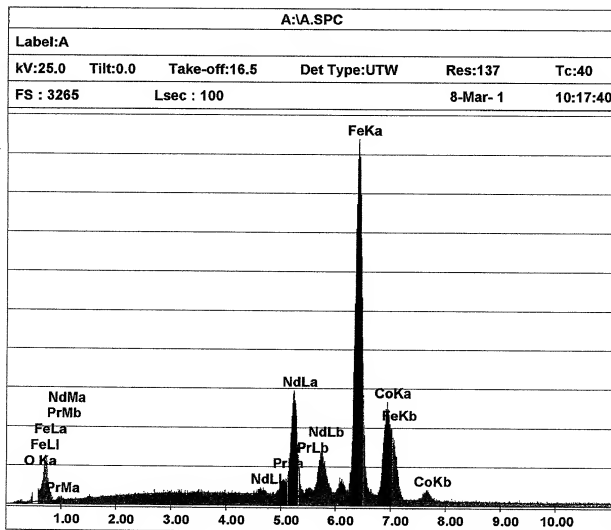
Shimazu SALD-2000A (SALD-2000A-98A2:V1.01)
 [Grain occasion distribution data] (File name) : Atomization
 (Sample ID) (Measurement date) : 01/02/20
 (Measurement time) : 11:07:41

Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value
x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)	x (μm)	Q0 (%)	q0 (%)
(1) 700.00	100.00	0.01	(18) 22.91	1.03	1.03	(35) 0.75	0.00	0.00
(2) 572.45	99.99	0.03	(19) 18.73	0.00	0.00	(36) 0.61	0.00	0.00
(3) 468.14	99.96	0.10	(20) 15.32	0.00	0.00	(37) 0.50	0.00	0.00
(4) 382.84	99.86	0.21	(21) 12.53	0.00	0.00	(38) 0.41	0.00	0.00
(5) 313.08	99.66	0.38	(22) 10.25	0.00	0.00	(39) 0.34	0.00	0.00
(6) 256.04	99.28	0.69	(23) 8.38	0.00	0.00	(40) 0.27	0.00	0.00
(7) 209.38	98.59	5.39	(24) 6.85	0.00	0.00	(41) 0.22	0.00	0.00
(8) 171.23	93.20	14.66	(25) 5.60	0.00	0.00	(42) 0.18	0.00	0.00
(9) 140.03	78.54	17.55	(26) 4.58	0.00	0.00	(43) 0.15	0.00	0.00
(10) 114.51	60.99	12.37	(27) 3.75	0.00	0.00	(44) 0.12	0.00	0.00
(11) 93.65	48.62	9.15	(28) 3.06	0.00	0.00	(45) 0.10	0.00	0.00
(12) 76.58	39.47	12.09	(29) 2.51	0.00	0.00	(46) 0.082	0.00	0.00
(13) 62.63	27.38	8.40	(30) 2.05	0.00	0.00	(47) 0.067	0.00	0.00
(14) 51.22	18.97	5.34	(31) 1.68	0.00	0.00	(48) 0.055	0.00	0.00
(15) 41.89	13.63	4.71	(32) 1.37	0.00	0.00	(49) 0.045	0.00	0.00
(16) 34.25	8.92	4.61	(33) 1.12	0.00	0.00	(50) 0.037	0.00	0.00
(17) 28.01	4.31	3.29	(34) 0.92	0.00	0.00	(51) 0.030	0.00	0.00



S Level: 0	Distribution function: Nothing	D sift: 0	75.0%D: 135.25	50.0%D: 95.973	25.0%D: 58.862
			The mode diameter 141.254		
Refractive index = 170-0.201			Mean: 85.858 Standard deviation: 00.116		

FIGURE 10



EDAX ZAF Quantification (Standardless)
Element Normalized

Element	Wt %	At %	K-Ratio	Z	A	F
O K	15.84	45.06	0.0581	1.1547	0.3174	1.0019
PrL	3.66	1.18	0.0391	0.8757	1.1579	1.0542
NdL	22.64	7.15	0.2437	0.8690	1.1656	1.0624
FeK	44.65	36.40	0.3964	1.0030	0.8853	1.0000
CoK	13.22	10.21	0.1131	0.9852	0.8687	1.0000
Total	100.00	100.00				

[illegible]

Element	Wt %	At %	K-Ratio	Z	A	F
O K	3.79	14.70	0.0131	1.1865	0.2895	1.0026
PrL	4.88	2.15	0.0525	0.9014	1.1312	1.0559
NdL	25.71	11.06	0.2794	0.8946	1.1412	1.0646
FeK	52.17	57.94	0.4640	1.0331	0.8609	1.0000
CoK	13.45	14.15	0.1149	1.0152	0.8421	1.0000
Total	100.00	100.00				